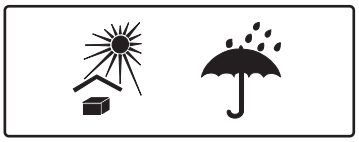
OBJ_DOKU-184657-001-1-USA.fm Seite 1 Freitag, 24. Februar 2006 8:26 08

# *Adapter for FiAPC probes*

20132-228

USA



## Notes on use

**Important!** Please read all information carefully. These notes on use are not intended as a substitute for the user manual of the device being used. If in doubt, read this user manual or ask an ERBE representative or your distributor for assistance.

ERBE

OBJ_DOKU-184657-001-1-USA.fm Seite 2 Freitag, 24. Februar 2006 8:26 08

## Intended Use

This Adapter is intended to connect FiAPC probes with filter to an ERBE Argon Plasma Coagulator Models APC 300 and APC 2 that have an APC standard receptacle.

## Maximum electrical capacity

The maximum electrical capacity of this product is:

- 4300 $V_p$

## Safety Instructions

**WARNING!**

This product may only be used by trained medical staff who have been instructed in its use on the basis of the notes on use.

Before each use, check that the product is intact. Verify that there are no signs of physical damage.

If damaged, do not use this product!

Protect this product from any form of mechanical damage! Do not throw! Do not use force!

Do not use in the presence of combustible or explosive materials!

Never lay instruments on the patient or in his / her direct vicinity.

ERBE Elektromedizin expressly warns against modifying the product. Any modification exempts ERBE Elektromedizin from any and all liability.

# How to Use

## Only use cleaned and disinfected products

Clean and disinfect this product before using it for the first time and before every subsequent use.

The surface of the product may be cleaned and disinfected by wiping. Follow the same instructions for cleaning and disinfection of the APC Unit per its User Manual. If needed, the product by itself may be cleaned, disinfected, and/or sterilized as outlined in later sections of these instructions.

## Check the product

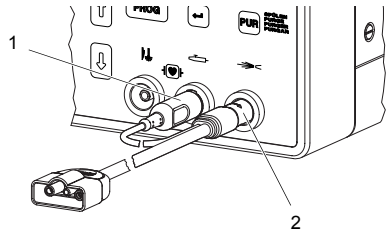
Check the product before every occasion of use!

If damaged, do not use this product!

## Connect the product

**Connection to an APC 300 Model:**

1. Turn on the ESU and APC.

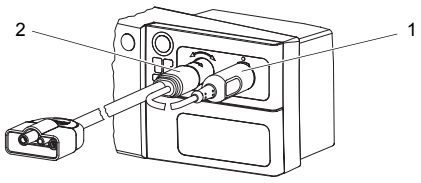



2. Screw the argon gas connection of the Adapter (2) into the argon gas port of the APC.

3. Insert the HF connector of the Adapter (1) into the multi-functional socket of the APC. If connected properly a “click” should be heard.
4. Once the the Adapter is connected to the APC 300 Model, a conservative default Gas Flow is automatically set regardless of the FiAPC probe with filter being attached. As needed, this level can be changed. You have to set the Mode and Power on the ESU manually. Please observe the gas flow rate and power limitations in the instructions for the FiAPC probes with filter for the specific probe being connected/used. Further adjustments to the settings can be made to achieve the desired tissue effect. Nonetheless, please ensure that the gas flow rate and power limitations for the probe being used are not exceeded.

**Connection to an APC 2 Model with APC standard receptacle:**

1. Turn on the ESU (i.e., the VIO Model) and select the basic program.




2. Screw the argon gas connection of the Adapter (2) into the argon gas port of the APC.
3. Insert the HF connector of the Adapter (1) into the multi-functional socket of the APC. If connected properly a “click” should be heard.

OBJ_DOKU-184657-001-1-USA.fm Seite 5 Freitag, 24. Februar 2006 8:26 08

4. Once the Adapter is connected to the APC 2 Model, the most conservative settings for Mode, Gas Flow, Effect, and Power are automatically set on the ESU in the Basic program regardless of which FiAPC probe with filter is being attached. If programmed correctly, a specific APC program may be selected. Please observe the gas flow rate and power limitations in the instructions for the FiAPC probes with filter for the specific probe being connected/used. Further adjustments to the settings can be made to achieve the desired tissue effect. Nonetheless, please ensure that the gas flow rate and power limitations for the probe being used are not exceeded.

## After use

The Adapter can remain attached to the APC after use and be cleaned and wipe disinfected together with the Coagulator. In this case, please follow the same instructions for cleaning and disinfection of the APC Unit in its User Manual.

To ensure that cross contamination doesn't take place, the product may need to be cleaned, disinfected, and/or sterilized by itself. For example, in a situation where the Adapter has come into contact with biohazardous contaminant(s) like blood or other bodily fluids, disinfection wiping may not be adequate. In this case, follow the reprocessing instructions below.

## Disconnect the product from the unit

1. Lateral forces can damage the receptacle. Therefore ensure you pull the HF connector of the Adapter out of the multifunctional socket in a straight line.
2. Unscrew the argon gas connection of the Adapter and pull it out of the argon gas port in a straight line.

OBJ_DOKU-184657-001-1-USA.fm Seite 6 Freitag, 24. Februar 2006 8:26 08

# Cleaning, Disinfection, Sterilization if Needed

## Safety Instructions

On no account use sharp or abrasive objects for cleaning purposes.

It is essential to follow the cleaning agent and disinfectant manufacturers' instructions.

Disinfectants must be rinsed off thoroughly after use!

The product can be cleaned/disinfected up to a maximum temperature of 203 °F (95 °C).

The product can be sterilized up to a maximum temperature of 280 °F (138 °C).

Do not sterilize in hot air oven!

## Reconditioning Limitation

The product has been found to work as intended after at least 50 cleaning/disinfection and sterilization cycles.

## Recommended Processing Agents / Equipment

The listed cleaning / disinfection agents and sterilization equipment have been validated with the following processing procedures.

- Manual cleaning/disinfection with the detergent Cidezyme ® LF/Enzol and disinfectant Cidex ® OPA (Johnson & Johnson Medical Limited, Gargrave, Skipton).

- Cleaning/disinfection by machine in a disinfector G 7736 CD (Miele & Cie GmbH & Co., Gütersloh/Germany) using neodisher ® mediclean forte detergent (Dr. Weigert GmbH & Co. KG, Hamburg/Germany) in accordance with the recommended washing program.
- Autoclave.

## Manual Cleaning and Disinfection

Use a liquid detergent suitable for soaking.

Use a disinfectant compatible with the detergent suitable for soaking.

Only disinfect clean products that have dried slightly.

1. Prepare a cleaning bath according to the manufacturer's directions.
2. Place the product in the bath so that the surface is completely covered. In doing so also make sure the product is not touching other instruments or parts of instruments. Comply with the recommended action (soaking) time.
3. If necessary, clean off any remaining contaminants from the product with a clean soft cloth.
4. Carefully remove the product from the bath.
5. Rinse the product thoroughly (for at least 1 minute) under flowing water.
6. Dry the product with compressed air.
7. Prepare a disinfectant bath according to the manufacturer's directions.
8. Place the product in the bath so that the surface is completely covered. In doing so also make sure the product is not touching other instruments or parts of instruments. Comply with the recommended action (soaking) time.

OBJ_DOKU-184657-001-1-USA.fm Seite 8 Freitag, 24. Februar 2006 8:26 08

9. Carefully remove the product from the bath.
10. Rinse the product thoroughly (for at least 1 minute) with sterile deionized water.
11. Dry the product with compressed air.

## Cleaning and Disinfection by Machine

Use alkaline detergents.

1. Place the product in a suitable rinsing basket carefully. In doing so make sure the product is not touching other instruments or parts of instruments.
2. Start a tested program with the following properties:
   - Thermal disinfection (10 minutes at 199 °F (93 °C)).
   - Final rinse with distilled or deionized water.
   - Sufficient product drying.

## Check

1. Check the product for visible damage and wear:
   - Damage to the product, e.g., cracks, rough surface, splintering, discoloration.
   - Damage to the product insulation and/or cable/connector insulation, e.g. cracks and breaks.

If damaged, do not use this product!

## Packaging

1. Pack the product in disposable sterilization packaging (single or double packaging) made from paper/polyethylene and/or in a sterilization container.

OBJ_DOKU-184657-001-1-USA.fm Seite 9 Freitag, 24. Februar 2006 8:26 08

## Sterilization

Only sterilize products that have been cleaned/disinfected.

Please follow the sterilizer manufacturer's recommendations on loading and handling instruments for the autoclave process.

ERBE Elektromedizin recommends steam sterilization with the method described below. If other sterilization methods are used, ERBE Elektromedizin shall bear no responsibility.

**Steam**

Fractionated vacuum method, holding time 5 minutes at 270 to 273 °F (132 to 134 °C).

or

Fractionated vacuum method, holding time 20 minutes at 250 °F (121 °C).

OBJ_DOKU-184657-001-1-USA.fm Seite 10 Freitag, 24. Februar 2006 8:26 08

OBJ_DOKU-184657-001-1-USA.fm Seite 11 Freitag, 24. Februar 2006 8:26 08

OBJ_DOKU-184657-001-1-USA.fm Seite 12 Freitag, 24. Februar 2006 8:26 08

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